

# 17<sup>th</sup> Real Time Conference



**IEEE-NPSS Technical Committee**



on

**Computer Applications in Nuclear and Plasma Sciences**

**24-28 May 2010, Lisboa, Portugal**



## ORGANIZED BY



ipfn INSTITUTO DE PLASMAS  
E FUSÃO NUCLEAR



Association EURATOM/IST



Laboratório de Instrumentação e  
Física Experimental de Partículas

## TOPICS

Ultra Fast Analog and Timing digitizer  
and converter  
Front-end Signal Processing  
Reconfigurable Hardware  
Real Time System Architectures  
Trigger and Data Acquisition  
High Level Triggers  
Event Building and Fast Networks  
High Speed Synchronous Control  
Online Processing Farms  
Online Databases  
Controls and Monitoring Systems  
Emerging Real Time Technologies  
New standards (ATCA, etc)

## TARGET AUDIENCE

Particle, Nuclear Physics and Astrophysics  
Nuclear Fusion  
Accelerator  
Medical Physics  
Space  
General Radiation Instrumentation

## ASSOCIATED SESSIONS

Tutorials and ATCA Workshop

### CONTACT

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